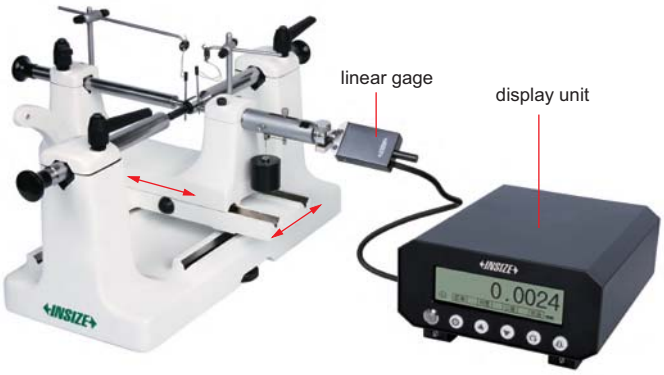
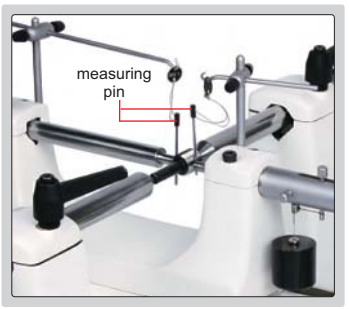
# EXTERNAL THREAD MEASURING DEVICE
# CODE ISQ-TE100




measure pitch diameter of thread




- Quickly measure major, pitch and minor diameters of external thread
- Suitable for metric, inch, Whitworth, NPT and BSPT

| Code | Range | Resolution | Accuracy | Repeatability |
|---|---|---|---|---|
| ISQ-TE100 | 0-100mm | 0.1μm | 2μm | 0.5μm |

**OPTIONAL ACCESSORY**

| | |
|---|---|
| Measuring pin | ISQ-TE100-A |
| Measuring prism | ISQ-TE100-B |
| Female center | ISQ-TE100-C |
| Clamp | ISQ-TE100-D |
| Setting disc | ISQ-TE100-E |
| 60° find pointer | ISQ-TE100-F |
| 55° find pointer | ISQ-TE100-G |
| Display unit | 7131-1A-Y |
| Linear gage | 7131-01 |

**Measuring pin (optional)**

- To measure pitch diameter of external thread
- Each size is supplied in pair
- Hardness: 60±2HRC

| Code | Pins included | Pin diameter (mm) |
|---|---|---|
| ISQ-TE100-A | 21 pairs | 0.170, 0.195, 0.220, 0.250, 0.290, 0.335, 0.390, 0.455, 0.530, 0.620, 0.725, 0.895, 1.100, 1.350, 1.650, 2.050, 2.550, 3.200, 4.000, 5.050, 6.350 |

**Measuring prism (optional)**

- To measure minor diameter of external thread
- Each size is supplied in pair

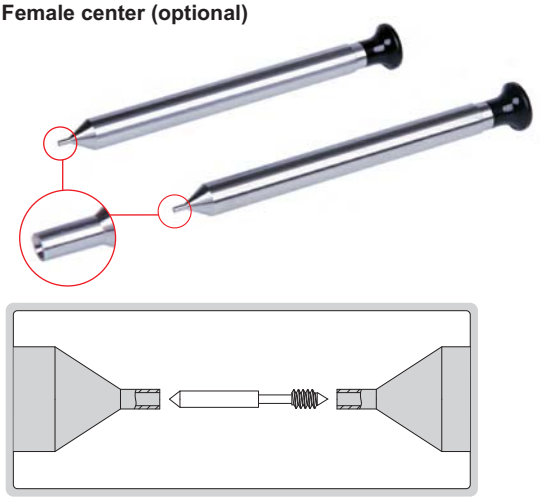
| Code | Prisms included | Size |
|---|---|---|
| ISQ-TE100-B | 4 pairs | A, B, C, D (for different types and sizes of thread) |

**Setting disc (optional)**

- To set initial value

| Code | Discs included | Disc diameter (mm) |
|---|---|---|
| ISQ-TE100-E | 22 pcs | 3, 5, 8, 12, 16, 20, 24, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100 |

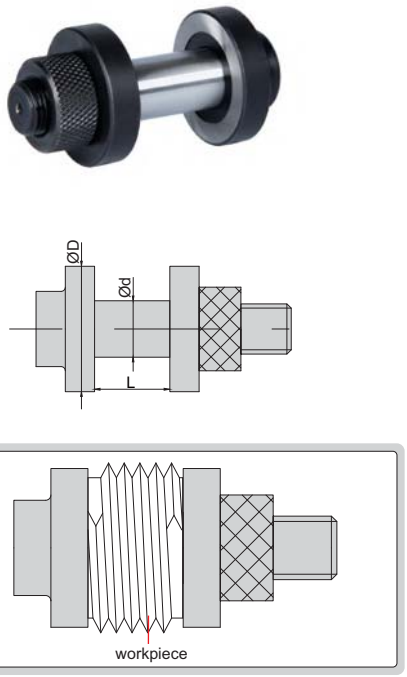
### Female center (optional)



- With small holes to support small workpieces without female centers
- Supplied in pair

| Code |
|---|
| ISQ-TE100-C |

### Clamp (optional)



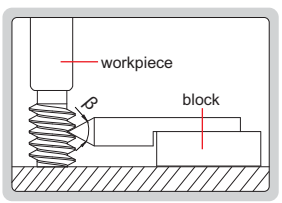

- To hold large workpieces with inner bore

(mm)

| Code | Clamps included | Ød | ØD | L |
|---|---|---|---|---|
| ISQ-TE100-D | 3 pcs | 13.5 | 30 | 0-18 |
| | | 23 | 60 | 0-18 |
| | | 23 | 75 | 0-18 |

### Find pointer (optional)

- To find measuring point of NPT or BSPT




| Code | Angle β | Applicable thread |
|---|---|---|
| ISQ-TE100-F | 60° | NPT |
| ISQ-TE100-G | 55° | BSPT |

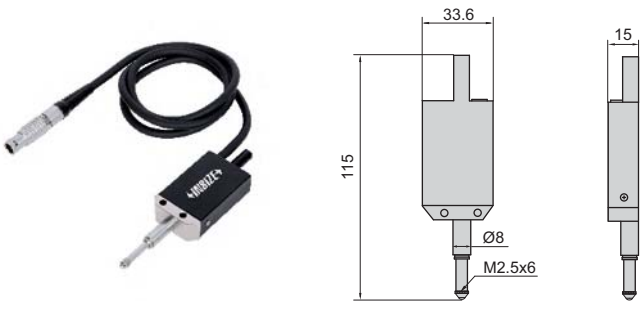
### Display unit (optional)


7131-1A-Y

| Code | 7131-1A-Y |
|---|---|
| Display mode | 4" LCD |
| Display unit | mm, µm |
| Resolution | 0.1µm |

### Linear gage (optional)

Unit: mm




7131-01

| Code | 7131-01 |
|---|---|
| Measuring range | 12.5mm |
| Resolution | 0.1µm |
| Accuracy | 1µm |
| Repeatability | 0.2µm |